Fig. 7A

```
CGFP_Cly_000:atgactgcacttaccgaaggagcaaaactgttcgagaagaaattccctacattacagag
GFP_Ren _000:atgagtaaacaaatattgaagaacacttgtttacaagaagtaatgtcgtataaagtaaat
GFP_Aeq _000:atgagtaaaggagaagaactttcactggagttgtcccaattcttgttgaattagatggc

CGFP_Cly_060:ttggaaggagagacgttgaaggaatgaaattcatcatcaaaggtgaagtactggcgacgct
GFP_Ren _060:ctggaaggaattgtaaaacaaccatgttttacaatggagggttgcggcaaaggaatatt
GFP_Aeq _060:gatgttaatgggcaaaaattctctgtcagtggagagggtgaaggtgatgcaacatacgga

CGFP_Cly_120:actactggcaccatcaaagcgaaatatatttgcacaactggtgaccttcctgtaccatgg
GFP_Ren _120:ttattcggcaatcaactggtcagattccgtgtcacgaagaagggcccactgcctttgca
GFP_Aeq _120:aaacttaccctaaatttattgcactactgggaagctacctgtcttccatggccaacactt

CGFP_Cly_180:gctaccatcttgagtagtttgtcgtatggtgtgtttctgttcgcgtaagtatccacgccac
GFP_Ren _180:tttgatattgtgtcaccagcttttcaatatggcaaccgtactttcacgaaatatccgaat
GFP_Aeq _180:gtcactactttctcttatggtgttcaatgcttttcaagatacccagatcatatgaaacag
```

Fig. 7B

```
CGFP_Cly_240:attgccgactttttcaagagcacacaaccagatggttattcacaagagacagaatcattagt
GFP_Ren_240:gatatatcagattattttatacaatcattccagcaggatttatgtatgaacgaacatta
GFP_Aeq_240:catgactttttcaagagtgccatgcccgaaggttatgtacaggaaagaactatatttac

CGFP_Cly_300:tttgacaatgatggacaatacgatgtcaaagccaaggttacttatgaaaacggaacactt
GFP_Ren_300:cgttacgaagatggcggacttgttcaaattcgttcagatataaattaatagaagacaag
GFP_Aeq_300:aaagatgacgggaactacaagacacgtgctgaagtcaagtttgaaggtgatacccttgtt

CGFP_Cly_360:tataaatagagtcacagtcaaaggtactggcttcaaatcaaacggcaacatccttggtatg
GFP_Ren_360:ttcgtctacagagtggaatacaaaggtagtaacttcccagatgatggtcccgtcatgcag
GFP_Aeq_360:aatagaatcgagttaaaagttattgatttttaaagaagatggaaacattcttggacacaaa

CGFP_Cly_000:atgactgcacttaccgaaggagcaaaactgttcgagaagaaaattccctacattacagag
GFP_Ren_000:atgagtaaacaaatattgaagaacacacttgttacaagaagttcgtatataagtaaat
GFP_Aeq_000:atgagtaaaggagaagaacttttcactggagttgtcccaattcttgttgaattagatggc

CGFP_Cly_060:ttggaaggagagacgttgaaggaatgaaattcatcatcaaaggtgaaggtactggcgacgct
GFP_Ren_060:ctggaaggaattgtaaacaaccatgtttttacaatggagggttcggcaaaggaatatt
GFP_Aeq_060:gatgttaatgggcaaaaattctctgtcagtggagaggtgaaggtgatgcaacatacgga
```

Fig. 7C

```
CGFP_Cly_120:actactggcaccatcaaagcgaatatatttgcacaactggtgaccttcctgtaccatgg
GFP_Ren _120:ttattcggcaatcaactggttcagattcgtgtcacgaaagggcccactgcctttgca
GFP_Aeq _120:aaaacttaccctaaatttatttgcactactggaagctacctgttccatggccaacactt

CGFP_Cly_180:gctaccatcttgagtagttgtgtcgtatggtgtgtttctgtttcgctaagtatccacgccac
GFP_Ren _180:tttgatattgtgtcaccagctttcaatatggcaaccgtacttcacgaaatatccgaat
GFP_Aeq _180:gtcactacttctctcttatggtgttcaatgctttcaagatccagataccagatcatatgaaacag

CGFP_Cly_240:attgccgactttttcaagagccacaaccagatggttattcacaagacagagaatcattagt
GFP_Ren _240:gatatatcagattattttatacaatcattccagcaggatttatgtatgaacgaacatta
GFP_Aeq _240:catgactttttcaagagagtgccatgcccgaaggttatgtacaggaaagaactatatttac

CGFP_Cly_300:tttgacaatgatggacaatacgatgtcaaagtcaaaggtacttgatgaaaacggaacactt
GFP_Ren _300:cgttacgaagatggcggacttgttgaaattcgttcagatataaatttaatagaacaag
GFP_Aeq _300:aaagatgacgggaactacaagacacgtgctgaagttcaagtcaagggtgatacccttgtt

CGFP_Cly_360:tataatagagtcacagtcaaaggtactggcttcaaatcaaacggcaacatccttggtatg
GFP_Ren _360:ttcgtctacagagtggaatacaaaggtagtaacttcccagatataaattaatagaacatgcag
GFP_Aeq _360:aatagaatcgagttaaaaggtattgattttaaagaagatggaaacattcttggacacaaa
```

Fig. 7D

```
CGFP_Cly_420:agagttctctaccattcaccaccacgctgtctacatccttcctgaccgtaaaaatggt
GFP_Ren_420:aagactatcttaggaatagagccttcattgaagccatgtacatgaataatggcgtcttg
GFP_Aeq_420:atggaatacaactataactcacataatgtatacatcatggcagacaaaccaaagaatgga

CGFP_Cly_480:ggcatgaaaattgaatacaataaggcttcgacgttatgggcggtggtcaccaaatggcg
GFP_Ren_480:gtcggcgagtaattcttgtctataaactctggaaatattattcatgtcacatg
GFP_Aeq_480:atcaaagttaacttcaaaattagacacaacattaaagatggaagcgttcaattagcagac

CGFP_Cly_540:cgtcacgcccaattcaataaaccactaggagcctggaagaagattatccgttgtatcat
GFP_Ren_540:aaaacattaatgaagtcgaaaggtgtagtaaaggagtttccttcgtatcatttattcaa
GFP_Aeq_540:cattatcaacaaaatactccaattggcgatggccctgtcctttaccagacaaccattac

CGFP_Cly_600:catcttaccgtatggacttcttcggaaaagatccggatgatgaaactgaccatttg
GFP_Ren_600:catcgtttggaaaagacttacgtagaagacggggggttcgttgaacagcatgagactgct
GFP_Aeq_600:ctgtccacaatctgccctccaaagtcccaacgaaaagagagatcacatgatcctt

CGFP_Cly_660:accatcgtcgaagtcatcaaagctgttgatttggaaacataccgttga----------
GFP_Ren_660:attgctcaaatgacatctataggaaaaaccactaggatccttacacg-----------aatg
GFP_Aeq_660:cttgagtttgtaacagctgctgggattacacatggcatggatgaactatacaataaatg
```

Fig. 7E

```
CGFP_Cly_720:-------------
GFP_Ren _720:---tgttgt--ttaa
GFP_Aeq _720:tccagacttccaattga
```